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Electrocoating/Zinc/*(Contact)* /Film/Bath // Analysis/Atomic Adsorption Spectroscopy // Extraction/Ion Exchange Resin. Jly 69. ..... **07-438**

Polymer/Film/Testing/Mechanical Property*(ies)* // *(Improved)* /Torsion Pendulum // Resin*(s)* . Aug 69. ..... **08-445**

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Latex Coating*(s)* // Film/Tensile Strength // Freeze Thaw Stability/*(versus)* /Surfactant *(Stability)* // Emulsion Resin/*(Preparation)* /Surfactant*(s)* /Phosphorus *(Compounds)* . Oct 69. ..... **10-531**

Pigment/Scattering Coefficient/Hiding Power/*(Determination from)* /Film/Opacity // Spectrophotometer/*(versus)* /Reflectometer // *(Precision)* /Film Formation/*(on)* /Plastic Film *(Substrate)* // Testing. Nov 69. ..... **11-584**

Electrodeposition // Reaction*(s)* /*(at)* Zinc/Tin Plate/Steel/ Anode *(s)* // Current Efficiency // Film/Rupture Voltage/Molecular Structure. Nov 69. ..... **11-597**

Coating/Film/Mechanical Property*(ies)* // Curing/Shrinkage // Internal Stress/*(Calculation)* // Film Defect*(s)* /Cracking/Crazing/Adhesion Failure. Nov 69. ..... **11-635**

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Pigment/Binder/Interaction/*(During)* /Film Formation // Absorption/ Resin/ Molecular Weight/Fractionation // Flocculation/Floating/Benard Cell // Coating/Weathering/Durability. Oct 69. . . . . **10-559**

Pigment/Scattering Coefficient/Hiding Power/*(Determination from)* /Film/ Opacity // Spectrophotometer/*(versus)* /Reflectometer // *(Precision)* /Film Formation/*(on)* /Plastic Film *(Substrate)* // Testing. Nov 69. . . . . **11-584**

Latex Coating/Film Formation // Pigment/Vehicle/Interaction/Structure // Syneresis // *(Film)* /Porosity. Dec 69. . . . . **12-654**

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Alkyd Resin/Polymerization/Hydroxyl Number/*(Control)* // Trimethyloethane/Azeotrope // Resin/Solubility/Compatibility/Film Property. Feb 69. . . . . **02-104**

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Drying Time Recorder*(s)* /*(Modification and Evaluation)* // American Society for Testing and Materials Specifications/Federal Test Specification // *(Effect of)* /Temperature/Humidity/Film Thickness/Ventilation/Ultraviolet Light. Apr 69. . . . . **04-235**

Coating*(s)* /Structural Steel/Film Thickness/*(Economic Minimum)* // Alkyd Resin/Vinyl Resin // Surface Preparation/Mill Scale. Jne 69. . . . . **06-372**

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FINENESS OF GRIND
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FLASH POINT
Flash Point/Solvent/*(Blends)* . Dec 69. . . . . **12-670**

FLEXIBILITY
Polymer/Molecular Structure/*(versus Properties)* // Melt Viscosity/Glass Transition Point/Crystalinity/Cross Linking // Average Molecular Weight *(Determination)* Film Property/Flexibility/Adhesion/ Permeability. Jan 69. . . . . **01-001**

FLOATING
Pigment/Binder/Interaction/*(During)* /Film Formation // Absorption/ Resin/ Molecular Weight/Fractionation // Flocculation/Floating/Benard Cell // Coating/Weathering/Durability. Oct 69. . . . . **10-559**

FLOCCULATION
Pigment/Binder/Interaction/*(During)* /Film Formation // Absorption/ Resin/ Molecular Weight/Fractionation // Flocculation/Floating/Benard Cell // Coating/Weathering/Durability. Oct 69. . . . . **10-559**

FLOW COATING
Coating/Rheology/*(Survey, 27 References)* // Thixotrophy/Application Characteristic // Viscosity/*(versus)* /Temperature/*(Nomograph)* // Pigment /Dispersion // Mixing // Pumping // Dip Coating // Flow Coating // Viscometer*(s)* /*(Comparative Characteristics)* // Efflux Viscosimeter/Bubble Tube Viscosimeter/*(Nomograph Conversion to)* /Kinematic Viscosity // Stormer Viscosimeter/*(High Shear Modification)* . Jne 69. . . . . **06-383**

FOIL
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FRACTIONATION
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FREE FILM
Free Film/Mechanical Property/Stress Relaxation/Testing/Instron Tester. Feb 69. . . . . **02-098**

FREEZE THAW STABILITY
Latex Coating*(s)* // Film/Tensile Strength // Freeze Thaw Stability/ *(versus)* /Surfactant *(Stability)* // Emulsion Resin/*(Preparation)* /Surfactant*(s)* /Phosphorus *(Compounds)* . Oct 69. . . . . **10-531**

FUNGICIDE
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Fungicide*(s)* /*(Selection for Coatings)* // Organo Tin/Additive *(s)* . My 69. . . . . **05-309**

GLASS TRANSITION POINT
Polymer/Molecular Structure/*(versus Properties)* // Melt Viscosity/Glass Transition Point/Crystalinity/Cross Linking // Average Molecular Weight *(Determination)* Film Property/Flexibility/Adhesion/ Permeability. Jan 69. . . . . **01-001**

Thermal Analysis/Coating*(s)* /*(and)* /Resin*(s)* // Differential Thermal Analysis/Thermogravimetric Analysis/Thermomechanical Analysis/ Colorimetry // Glass Transition Point/Crystalinity/Cross Link Density/ Specific Heat/ Heat of Reaction. Mar 69. . . . . **03-530**

GLOSS
Drier/*(Activity)* // Organic Acid/*(Selection)* // *(Effect of)* /Testing/Temperature/Humidity // Aging // Coating/Drying Time/Gloss/Hardness // Additive. Nov 69. . . . . **11-623**

GLOSS RETENTION
Coating/Durability/Testing // Exterior Exposure/*(versus)* / Accelerated Weathering // Chalking/Gloss Retention/Color Stability. Oct 69. . . **10-537**

GLYCIDYL ESTER
Organic Acid*(s)* /*(Branched Synthetic)* // Metal Soap/Drier // Vinyl Ester/ Glycidyl Ester/Emulsion Resin/Water Soluble Resin. Mar 69. . . . . **03-222**

GOLD BRONZE
Gold Bronze/Metallic Flake Pigment/Tarnish Resistance // Reflectance/ Leafing/Color *(Theory)* . My 69. . . . . **05-354**

GONIO PHOTOMETER
Colorimeter // Spectrophotometer/*(Combined with)* /Gonio Photometer. Dec 69. . . . . **12-647**

GRINDING
Titanium Dioxide/Pigment/Grinding/High Speed Disperser // Fineness of Grind/Mill Base *(Formulation)* /Viscosity. Mar 69. . . . . **03-179**

Pigment/Grinding/Sand Mill *(Mechanisms, Mathematics, and Theory)* // Mill Base/*(Formulation)* // Grinding Media/*(Selection)* . My 69. . . . . **05-345**

GRINDING MEDIA
Pigment/Grinding/Sand Mill *(Mechanisms, Mathematics, and Theory)* // Mill Base/*(Formulation)* // Grinding Media/*(Selection)* . My 69. . . . . **05-345**

HARDNESS
Drier/*(Activity)* // Organic Acid/*(Selection)* // *(Effect of)* /Testing/Temperature/Humidity // Aging // Coating/Drying Time/Gloss/Hardness // Additive. Nov 69. . . . . **11-623**

HEAT OF MIXING
Resin/Solubility/*(Theory)* // Entropy/Heat of Mixing // Solubility Parameter /*(Calculation from Chi Parameters)* // Molecular Interaction. Sept 69. . . . . **09-489**

HEAT OF REACTION
Thermal Analysis/Coating*(s)* /*(and)* /Resin*(s)* // Differential Thermal Analysis/Thermogravimetric Analysis/Thermomechanical Analysis/ Colorimetry // Glass Transition Point/Crystalinity/Cross Link Density/ Specific Heat/ Heat of Reaction. Mar 69. . . . . **03-530**

HEXAKIS *(METHOXYMETHYL)* MELAMINE
Polyester Resin/Coating/Curing/*(versus)* /Durability // Hexakis *(Methoxymethyl)* Melamine // Cross Linking // Accelerated Testing. Dec 69. **12-702**

HIDING POWER
Latex Paint/Critical Pigment Volume Concentration // Hiding Power // Porosity/Breathing Property. Apr 69. . . . . **04-243**

Latex Coating/Extender Pigment/Aluminum Silicate/*(Calcined)* // *(Evaluation of)* /Hiding Power/Scrub Resistance/Oil Absorption/Water/ Absorption. Aug 69. . . . . **08-448**

Pigment/Scattering Coefficient/Hiding Power/*(Determination from)* /Film/ Opacity // Spectrophotometer/*(versus)* /Reflectometer // *(Precision)* /Film Formation/*(on)* /Plastic Film *(Substrate)* // Testing. Nov 69. . . . . **11-584**

HIGH SPEED DISPERSER
Titanium Dioxide/Pigment/Grinding/High Speed Disperser // Fineness of Grind/Mill Base *(Formulation)* /Viscosity. Mar 69. . . . . **03-179**

HOT MELT COATING
Antifouling Coating*(s)* /(Formulation and Performance) // Marine Organism *(s)* /*(Growth Mechanisms)* // Biologically Active Agent*(s)* / Leaching/ *(versus)* /Binder/*(Selection)* // Hot Melt Coating/Rosin/ Paraffin Wax/Microcrystalline Wax/Copper Oxide/Extender Pigment. Apr 69. . . . . **04-285**

HUMIDITY
Drying Time Recorder*(s)* /*(Modification and Evaluation)* // American Society for Testing and Materials Specifications/Federal Test Specification // *(Effect of)* /Temperature/Humidity/Film Thickness/Ventilation/Ultraviolet Light. Apr 69. . . . . **04-235**

Drier/*(Activity)* // Organic Acid/*(Selection)* // *(Effect of)* /Testing/Temperature/Humidity // Aging // Coating/Drying Time/Gloss/Hardness // Additive. Nov 69. . . . . **11-623**

HYDROCARBON
Evaporation Rate/Solvent/*(Blends)* // Hydrocarbon/Alcohol/Hydrogen Bonding. Dec 69. . . . . **12-692**

HYDROCARBON RESIN
Resin *(Synthesis)* // Drying Oil *(Aldehyde Modified)* /Acrylic Resin // Linseed Oil/Hydrocarbon Resin/Air Drying/Coating/Baking Finish. Jan 69. 01-017

HYDROGEN BONDING
Molecular Interaction/Polarity/Hydrogen Bonding // Resin/Solution/ *(Theory)* . Sept 69. 09-494

Molecular Interaction/Hydrogen Bonding/*(Thermodynamic Data)* /Colorimetry. Sept 69. 09-500

Evaporation Rate/Solvent/*(Blends)* // Hydrocarbon/Alcohol/Hydrogen Bonding. Dec 69. 12-692

HYDROGENATED ROSIN
Rosin Adduct*(s)* // Maleic Anhydride/*(Reaction with)* /Wood Rosin/Hydrogenated Rosin. My 69. 05-338

HYDROXYL NUMBER
Alkyd Resin/Polymerization/Hydroxyl Number/*(Control)* // Trimethyloethane/Azeotrope // Resin/Solubility/Compatibility/Film Property. Feb 69. 02-104

INFORMATION MANAGEMENT
Information Management/*(Technical Library Facilities Available, New York City)* . Feb 69. 02-089

INHIBITOR
Ferrocene/Photochemical Reaction*(s)* // Metalocene*(s)* /*(as)* Catalyst/Inhibitor. Jne 69. 06-363

NSTRON TESTER
Free Film/Mechanical Property/Stress Relaxation/Testing/Instron Tester. Feb 69. 02-098

INTERACTION
Pigment/Binder/Interaction/*(in Dried Film)* // Water/Absorption/ *(versus)* /Mechanical Property*(ies)* // Coating/Substrate. Mar 69. . 03-210

Resin/Solubility/*(Review of Theories)* // Molecular Interaction/ Plasticizer *(s)* // *(Effect of Temperature and Concentration)* . Sept 69. 09-483

Molecular Interaction/Polarity/Hydrogen Bonding // Resin/Solution/ *(Theory)* . Sept 69. 09-494

Molecular Interaction/Liquid*(s)* /Solution*(s)* /*(Thermodynamic Theory)* // Entropy/*(of)* /Mixing. Sept 69. 09-509

Pigment/Binder/Interaction/*(During)* /Film Formation // Absorption/ Resin/ Molecular Weight/Fractionation // Flocculation/Floating/Benard Cell // Coating/Weathering/Durability. Oct 69. 10-559

Latex Coating/Film Formation // Pigment/Vehicle/Interaction/Structure // Syneresis // *(Film)* /Porosity. Dec 69. 12-654

INTERFACIAL TENSION
Pigment/Dispersion // Substrate/Wetting // *(Thermodynamic Theory)* // Surface Energy // Spreading Coefficient/*(Calculation from)* /Contract Angle /Interfacial Tension. Sept 69. 09-515

INTERNAL STRESS
Coating/Film/Mechanical Property*(ies)* // Curing/Shrinkage // Internal Stress/*(Calculation)* // Film Defect*(s)* /Cracking/Crazing/Adhesion Failure. Nov 69. 11-635

INVENTORY CONTROL
Coating *(Formulation)* /Computer // Raw Material Cost // Inventory Control. Jan 69. 01-040

Coating/Manufacturing // Bulk Handling // Filling/Labeling // Drum/ Storage *(Exterior)* // Inventory Control // Safety. Jan 69. 01-054

ION EXCHANGE RESIN
Electrocoating/Zinc/*(Contact)* /Film/Bath // Analysis/Atomic Adsorption Spectroscopy // Extraction/Ion Exchange Resin. Jly 69. 07-438

KINEMATIC VISCOSITY
Coating/Rheology/*(Survey, 27 References)* // Thixotrophy/Application Characteristic // Viscosity/*(versus)* /Temperature/*(Nomograph)* // Pigment /Dispersion // Mixing // Pumping // Dip Coating // Flow Coating // Viscometer*(s)* /*(Comparative Characteristics)* // Efflux Viscosimeter/Bubble Tube Viscosimeter/*(Nomograph Conversion to)* /Kinematic Viscosity // Stormer Viscosimeter/*(High Shear Modification)* . Jne 69. 06-383

LABELING
Coating/Manufacturing // Bulk Handling // Filling/Labeling // Drum/ Storage *(Exterior)* // Inventory Control // Safety. Jan 69. 01-054

LACQUER
Tin Plate/Lacquer/Eyeholing/*(versus)* /Solvent/Surface Tension // Surface Energy/Contact Angle. Feb 69. 02-139

LATEX COATING
Vinyl Monomer/*(Diacetone Acrylamide)* // Copolymer Resin*(s)* /Polymerization // Plywood/Coating // Latex Coating/Wood/Primer. Mar 69. . 03-185

Latex Coating/Extender Pigment/Aluminum Silicate/*(Calcined)* // *(Evaluation of)* /Hiding Power/Scrub Resistance/Oil Absorption/Water/ Absorption. Aug 69. 08-448

Latex Coating*(s)* // Film/Tensile Strength // Freeze Thaw Stability/ *(versus)* /Surfactant *(Stability)* // Emulsion Resin/*(Preparation)* /Surfactant*(s)* /Phosphorus *(Compounds)* . Oct 69. 10-531

Efflorescence/Latex Coating/Masonry Finish // *(Selection of)* / Emulsion Resin/Pigment*(s)* /Additive*(s)* // Pigment Volume Concentration // Surface Preparation/Pretreatment. Nov 69. 11-615

Latex Coating/Film Formation // Pigment/Vehicle/Interaction/Structure // Syneresis // *(Film)* /Porosity. Dec 69. 12-654

Latex Coating // Manufacturing/*(Housekeeping)* // Can Stability/Viscosity // Microbiodegradation. Dec 69. 12-688

LATEX PAINT
Latex Paint/Critical Pigment Volume Concentration // Hiding Power // Porosity/Breathing Property. Apr 69. 04-243

LEACHING
Antifouling Coating*(s)* /(Formulation and Performance) // Marine Organism *(s)* /*(Growth Mechanisms)* // Biologically Active Agent*(s)* / Leaching/ *(versus)* /Binder/*(Selection)* // Hot Melt Coating/Rosin/ Paraffin Wax/Microcrystalline Wax/Copper Oxide/Extender Pigment. Apr 69. 04-285

LEAFING
Gold Bronze/Metallic Flake Pigment/Tarnish Resistance // Reflectance/ Leafing/Color *(Theory)* . My 69. 05-354

LINSEED OIL
Resin *(Synthesis)* // Drying Oil *(Aldehyde Modified)* /Acrylic Resin // Linseed Oil/Hydrocarbon Resin/Air Drying/Coating/Baking Finish. Jan 69. 01-017

Linseed Oil/Analysis/Foots // *(Validity of)* /Phosphoric Acid Test. Aug 69. 08-472

LIQUID
Molecular Interaction/Liquid*(s)* /Solution*(s)* /*(Thermodynamic Theory)* // Entropy/*(of)* /Mixing. Sept 69. 09-509

MALEIC ANHYDRIDE
Rosin Adduct*(s)* // Maleic Anhydride/*(Reaction with)* /Wood Rosin/Hydrogenated Rosin. My 69. 05-338

MANUFACTURING
Can/Closure // Vehicle/Migration // Testing // Manufacturing. Jan 69. 01-025

Coating/Manufacturing // Bulk Handling // Filling/Labeling // Drum/ Storage *(Exterior)* // Inventory Control // Safety. Jan 69. 01-054

Felt/Filter Media/*(Survey, Properties and Application)* // Manufacturing. Feb 69. 02-130

Coating/Manufacturing/Color/Quality Control // Colorimetry/Spectrophotometer. Jly 69. 07-415

Latex Coating // Manufacturing/*(Housekeeping)* // Can Stability/Viscosity // Microbiodegradation. Dec 69. 12-688

MARINE ORGANISM
Antifouling Coating*(s)* /(Formulation and Performance) // Marine Organism *(s)* /*(Growth Mechanisms)* // Biologically Active Agent*(s)* / Leaching/ *(versus)* /Binder/*(Selection)* // Hot Melt Coating/Rosin/ Paraffin Wax/Microcrystalline Wax/Copper Oxide/Extender Pigment. Apr 69. 04-285

MASONRY FINISH
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Pigment/Binder/Interaction/*(in Dried Film)* // Water/Absorption/ *(versus)* /Mechanical Property*(ies)* // Coating/Substrate. Mar 69. . 03-210

Polymer/Film/Testing/Mechanical Property*(ies)* // *(Improved)* /Torsion Pendulum // Resin*(s)* . Aug 69. 08-445

Coating/Film/Mechanical Property*(ies)* // Curing/Shrinkage // Internal Stress/*(Calculation)* // Film Defect*(s)* /Cracking/Crazing/Adhesion Failure. Nov 69. 11-635

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Antifouling Coating*(s)* /(Formulation and Performance) // Marine Organism *(s)* /*(Growth Mechanisms)* // Biologically Active Agent*(s)* / Leaching/ *(versus)* /Binder/*(Selection)* // Hot Melt Coating/Rosin/ Paraffin Wax/Microcrystalline Wax/Copper Oxide/Extender Pigment. Apr 69. . . . . **04-285**

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OIL *(ALDEHYDE MODIFIED)*
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PARAFFIN WAX
Antifouling Coating*(s)* /(Formulation and Performance) // Marine Organism *(s)* /*(Growth Mechanisms)* // Biologically Active Agent*(s)* / Leaching/ *(versus)* /Binder/*(Selection)* // Hot Melt Coating/Rosin/ Paraffin Wax/Microcrystalline Wax/Copper Oxide/Extender Pigment. Apr 69. . . . . **04-285**

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PHOTOCHEMICAL REACTION
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Radiation Curing/*(Survey of Equipment, Mechanisms and Dosage)* // *(Effect of)* /Oxygen/Solvent/Pigment // Monomer/Prepolymer/Reactivity // Film Property*(ies)*. Feb 69. . . . . **02-118**

Titanium Dioxide/Pigment/Grinding/High Speed Disperser // Fineness of Grind/Mill Base *(Formulation)* /Viscosity. Mar 69. . . . . **03-179**

Pigment/Binder/Interaction/*(in Dried Film)* // Water/Absorption/ *(versus)* /Mechanical Property*(ies)* // Coating/Substrate. Mar 69. . **03-210**

Pigment/Grinding/Sand Mill *(Mechanisms, Mathematics, and Theory)* // Mill Base/*(Formulation)* // Grinding Media/*(Selection)*. My 69. . . . . **05-345**

Gold Bronze/Metallic Flake Pigment/Tarnish Resistance // Reflectance/ Leafing/Color *(Theory)*. My 69. . . . . **05-354**

Coating/Rheology/*(Survey, 27 References)* // Thixotrophy/Application Characteristic // Viscosity/*(versus)* /Temperature/*(Nomograph)* // Pigment /Dispersion // Mixing // Pumping // Dip Coating // Flow Coating // Viscometer*(s)* /*(Comparative Characteristics)* // Efflux Viscosimeter/Bubble Tube Viscosimeter/*(Nomograph Conversion to)* /Kinematic Viscosity // Stormer Viscosimeter/*(High Shear Modification)*. Jne 69. . . . . **06-383**

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Latex Coating/Extender Pigment/Aluminum Silicate/*(Calcined)* // *(Evaluation of)* /Hiding Power/Scrub Resistance/Oil Absorption/Water/ Absorption. Aug 69. . . . . **08-448**

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Colloid/*(Stability)* /*(Theory)* // Surface Energy/Electrical Charge // Pigment/Dispersion // Emulsification. Sept 69. . . . . **09-52**

Pigment/Binder/Interaction/*(During)* /Film Formation // Absorption/ Resin/ Molecular Weight/Fractionation // Flocculation/Floating/Benard Cell / Coating/Weathering/Durability. Oct 69. . . . . **10-559**

Pigment/Scattering Coefficient/Hiding Power/*(Determination from)* /Film/Opacity // Spectrophotometer/*(versus)* /Reflectometer // *(Precision)* /Film Formation/*(on)* /Plastic Film *(Substrate)* // Testing. Nov 69. ..... **11-584**

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Efflorescence/Latex Coating/Masonry Finish // *(Selection of)* / Emulsion Resin/Pigment*(s)* /Additive*(s)* // Pigment Volume Concentration // Surface Preparation/Pretreatment. Nov 69. ..... **11-615**

Latex Coating/Film Formation // Pigment/Vehicle/Interaction/Structure // Syneresis // *(Film)* /Porosity. Dec 69. ..... **12-654**

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Latex Paint/Critical Pigment Volume Concentration // Hiding Power // Porosity/Breathing Property. Apr 69. ..... **04-243**

Efflorescence/Latex Coating/Masonry Finish // *(Selection of)* / Emulsion Resin/Pigment*(s)* /Additive*(s)* // Pigment Volume Concentration // Surface Preparation/Pretreatment. Nov 69. ..... **11-615**

PLASTIC FILM *(SUBSTRATE)*

Pigment/Scattering Coefficient/Hiding Power/*(Determination from)* /Film/Opacity // Spectrophotometer/*(versus)* /Reflectometer // *(Precision)* /Film Formation/*(on)* /Plastic Film *(Substrate)* // Testing. Nov 69. ..... **11-584**

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Resin/Solubility/*(Review of Theories)* // Molecular Interaction/ Plasticizer *(s)* // *(Effect of Temperature and Concentration)* . Sept 69. ..... **09-483**

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Vinyl Monomer/*(Diacetone Acrylamide)* // Copolymer Resin*(s)* /Polymerization // Plywood/Coating // Latex Coating/Wood/Primer. Mar 69. . **03-185**

POLARITY

Molecular Interaction/Polarity/Hydrogen Bonding // Resin/Solution/ *(Theory)* . Sept 69. ..... **09-494**

POLYESTER RESIN

Polyester Resin/Coating/Curing/*(versus)* /Durability // Hexakis *(Methoxymethyl)* Melamine // Cross Linking // Accelerated Testing. Dec 69. **12-702**

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Polymer/Molecular Structure/*(versus Properties)* // Melt Viscosity/Glass Transition Point/Crystalinity/Cross Linking // Average Molecular Weight *(Determination)* Film Property/Flexibility/Adhesion/ Permeability. Jan 69. ..... **01-001**

Ultraviolet Absorber/Polymer // Oxazoline *(Derivatives)* // Additive *(s)* . Jan 69. ..... **01-064**

Polymer/Film/Testing/Mechanical Property*(ies)* // *(Improved)* /Torsion Pendulum // Resin*(s)* . Aug 69. ..... **08-445**

Polymer/Film/Testing // Water Vapor Transmission/Radiometry. Aug 69. ..... **08-455**

POLYMERIZATION

Alkyd Resin/Polymerization/Hydroxyl Number/*(Control)* // Trimethyloethane/Azeotrope // Resin/Solubility/Compatibility/Film Property. Feb 69. ..... **02-104**

Vinyl Monomer/*(Diacetone Acrylamide)* // Copolymer Resin*(s)* /Polymerization // Plywood/Coating // Latex Coating/Wood/Primer. Mar 69. . **03-185**

POROSITY

Latex Paint/Critical Pigment Volume Concentration // Hiding Power // Porosity/Breathing Property. Apr 69. ..... **04-243**

Latex Coating/Film Formation // Pigment/Vehicle/Interaction/Structure // Syneresis // *(Film)* /Porosity. Dec 69. ..... **12-654**

PREPOLYMER

Radiation Curing/*(Survey of Equipment, Mechanisms and Dosage)* // *(Effect of)* /Oxygen/Solvent/Pigment // Monomer/Prepolymer/Reactivity // Film Property*(ies)* . Feb 69. ..... **02-118**

PRETREATMENT

Efflorescence/Latex Coating/Masonry Finish // *(Selection of)* / Emulsion Resin/Pigment*(s)* /Additive*(s)* // Pigment Volume Concentration // Surface Preparation/Pretreatment. Nov 69. ..... **11-615**

PRIMER

Vinyl Monomer/*(Diacetone Acrylamide)* // Copolymer Resin*(s)* /Polymerization // Plywood/Coating // Latex Coating/Wood/Primer. Mar 69. . **03-185**

PUMPING

Coating/Rheology/*(Survey, 27 References)* // Thixotrophy/Application Characteristic // Viscosity/*(versus)* /Temperature/*(Nomograph)* // Pigment /Dispersion // Mixing // Pumping // Dip Coating // Flow Coating // Viscometer*(s)* /*(Comparative Characteristics)* // Efflux Viscosimeter/Bubble Tube Viscosimeter/*(Nomograph Conversion to)* /Kinematic Viscosity // Stormer Viscosimeter/*(High Shear Modification)* . Jne 69. ..... **06-383**

QUALITY CONTROL

Water Base Paint/Stability/Quality Control/Testing // Electrophoresis/Mobility // Zeta Potential. Jan 69. ..... **01-059**

Electrocoating/Bath/*(Composition Calculation)* /Quality Control. Jne 69. ..... **06-402**

Coating/Manufacturing/Color/Quality Control // Colorimetry/Spectrophotometer. Jly 69. ..... **07-415**

Coating/*(and)* /Pigment/Analysis/Quality Control // X Ray Diffraction. Jly 69. ..... **07-422**

QUENCHING

Resin/Ultraviolet Light/Degradation/*(Mechanism)* // Ultraviolet Absorber/Quenching/Additive*(s)* . My 69. ..... **05-315**

RADIATION CURING

Radiation Curing/*(Survey of Equipment, Mechanisms and Dosage)* // *(Effect of)* /Oxygen/Solvent/Pigment // Monomer/Prepolymer/Reactivity // Film Property*(ies)* . Feb 69. ..... **02-118**

RADIOMETRY

Polymer/Film/Testing // Water Vapor Transmission/Radiometry. Aug 69. ..... **08-455**

RAW MATERIAL COST

Coating *(Formulation)* /Computer // Raw Material Cost // Inventory Control. Jan 69. ..... **01-040**

REACTION

Electrodeposition // Reaction*(s)* /*(at)* Zinc/Tin Plate/Steel/ Anode *(s)* // Current Efficiency // Film/Rupture Voltage/Molecular Structure. Nov 69. ..... **11-597**

REACTIVITY

Radiation Curing/*(Survey of Equipment, Mechanisms and Dosage)* // *(Effect of)* /Oxygen/Solvent/Pigment // Monomer/Prepolymer/Reactivity // Film Property*(ies)* . Feb 69. ..... **02-118**

REDWOOD

Exterior Wood Finish/Clear Coating/Degradation/*(Mechanisms)* // Ultraviolet Light/Weathering/Redwood. Apr 69. ..... **04-275**

REFLECTANCE

Gold Bronze/Metallic Flake Pigment/Tarnish Resistance // Reflectance/Leafing/Color *(Theory)* . My 69. ..... **05-354**

REFLECTOMETER

Pigment/Scattering Coefficient/Hiding Power/*(Determination from)* /Film/Opacity // Spectrophotometer/*(versus)* /Reflectometer // *(Precision)* /Film Formation/*(on)* /Plastic Film *(Substrate)* // Testing. Nov 69. ..... **11-584**

REFLOWING

Thermoplastic Coating/Reflowing/Cellulose Acetate Butyrate/Resin/ *(Modification)* . Jne 69. ..... **06-396**

RESIN

Alkyd Resin/Polymerization/Hydroxyl Number/*(Control)* // Trimethyloethane/Azeotrope // Resin/Solubility/Compatibility/Film Property. Feb 69. ..... **02-104**

Vinyl Monomer/*(Diacetone Acrylamide)* // Copolymer Resin*(s)* /Polymerization // Plywood/Coating // Latex Coating/Wood/Primer. Mar 69. . **03-185**

Thermal Analysis/Coating*(s)* /*(and)* /Resin*(s)* // Differential Thermal Analysis/Thermogravimetric Analysis/Thermomechanical Analysis/ Colorimetry // Glass Transition Point/Crystalinity/Cross Link Density/ Specific Heat/ Heat of Reaction. Mar 69. ..... **03-530**

Organic Acid*(s)* /*(Branched Synthetic)* // Metal Soap/Drier // Vinyl Ester/ Glycidyl Ester/Emulsion Resin/Water Soluble Resin. Mar 69. ..... **03-222**

Epoxy Resin/Material Handling/Safety/*(Dermatitis)* . Apr 69. ..... **04-304**

Resin/Ultraviolet Light/Degradation/*(Mechanism)* // Ultraviolet Absorber/ Quenching/Additive*(s)* . My 69. ..... **05-315**

Coating*(s)* /Structural Steel/Film Thickness/*(Economic Minimum)* // Alkyd Resin/Vinyl Resin // Surface Preparation/Mill Scale. Jne 69. ..... **06-372**

Thermoplastic Coating/Reflowing/Cellulose Acetate Butyrate/Resin/ *(Modification)* . Jne 69. ..... **06-396**

Polymer/Film/Testing/Mechanical Property*(ies)* // *(Improved)* /Torsion Pendulum // Resin*(s)* . Aug 69. ..... **08-445**

Resin/Solubility/*(Review of Theories)* // Molecular Interaction/ Plasticizer *(s)* // *(Effect of Temperature and Concentration)* . Sept 69. ..... **09-483**

Resin/Solubility/*(Theory)* // Entropy/Heat of Mixing // Solubility Parameter /*(Calculation from Chi Parameters)* // Molecular Interaction. Sept 69. ..... **09-489**

Molecular Interaction/Polarity/Hydrogen Bonding // Resin/Solution/ *(Theory)* . Sept 69. ..... **09-494**

Latex Coating*(s)* // Film/Tensile Strength // Freeze Thaw Stability/ *(versus)* /Surfactant *(Stability)* // Emulsion Resin/*(Preparation)* /Surfactant*(s)* /Phosphorus *(Compounds)* . Oct 69. ..... **10-531**

Urethane Finish/Color Stability/*(Improvement)* // Cycloaliphatic Hydrocarbon/Diisocyanate/Resin. Oct 69. ..... **10-551**

Pigment/Binder/Interaction/*(During)* /Film Formation // Absorption/ Resin/ Molecular Weight/Fractionation // Flocculation/Floating/Benard Cell // Coating/Weathering/Durability. Oct 69. ..... **10-559**

Coating/Analysis/Styrene Resin/*(Content)* . Oct 69. ..... **10-567**

Efflorescence/Latex Coating/Masonry Finish // *(Selection of)* / Emulsion Resin/Pigment*(s)* /Additive*(s)* // Pigment Volume Concentration // Surface Preparation/Pretreatment. Nov 69. ..... **11-615**

Butanol/*(in)* /Melamine Formaldehyde Resin // *(Fast)* /Curing/Baking Finish. Nov 69. ..... **11-641**

Polyester Resin/Coating/Curing/*(versus)* /Durability // Hexakis *(Methoxymethyl)* Melamine // Cross Linking // Accelerated Testing. Dec 69. **12-702**

RESIN *(SYNTHESIS)*
Resin *(Synthesis)* // Drying Oil *(Aldehyde Modified)* /Acrylic Resin // Linseed Oil/Hydrocarbon Resin/Air Drying/Coating/Baking Finish. Jan 69. . . . . **01-017**

RHEOLOGICAL PROPERTY
Thixotropic Coating/Rheological Property // Rotational Viscosimeter/Viscometer/*(versus)* /Application Characteristic. Jly 69. . . . . **07-409**

RHEOLOGY
Molecular Structure/*(Survey)* // Bonding Force/*(versus)* / Mechanical Property/Crystalinity/Rheology // Surface Energy/Wettabiliity/Adhesion. Feb 69. . . . . **02-144**

Coating/Rheology/*(Survey, 27 References)* // Thixotrophy/Application Characteristic // Viscosity/*(versus)* /Temperature/*(Nomograph)* // Pigment /Dispersion // Mixing // Pumping // Dip Coating // Flow Coating // Viscometer*(s)* /*(Comparative Characteristics)* // Efflux Viscosimeter/Bubble Tube Viscosimeter/*(Nomograph Conversion to)* /Kinematic Viscosity // Stormer Viscosimeter/*(High Shear Modification)* . Jne 69. . . . . **06-383**

ROSIN
Antifouling Coating*(s)* /(Formulation and Performance) // Marine Organism *(s)* /*(Growth Mechanisms)* // Biologically Active Agent*(s)* / Leaching/ *(versus)* /Binder/*(Selection)* // Hot Melt Coating/Rosin/ Paraffin Wax/Microcrystalline Wax/Copper Oxide/Extender Pigment. Apr 69. . . . . **04-285**

Rosin Adduct*(s)* // Maleic Anhydride/*(Reaction with)* /Wood Rosin/Hydrogenated Rosin. My 69. . . . . **05-338**

ROSIN ADDUCT
Rosin Adduct*(s)* // Maleic Anhydride/*(Reaction with)* /Wood Rosin/Hydrogenated Rosin. My 69. . . . . **05-338**

ROTATIONAL VISCOSIMETER
Thixotropic Coating/Rheological Property // Rotational Viscosimeter/ Viscometer/*(versus)* /Application Characteristic. Jly 69. . . . . **07-409**

RUPTURE VOLTAGE
Electrocoating // Electrical Potential/Electrical Resistivity/Amperage Requirement/*(versus)* /Throwing Power/Film Build // Rupture Voltage. Feb 69. . . . . **02-114**

Electrodeposition // Reaction*(s)* /*(at)* Zinc/Tin Plate/Steel/ Anode *(s)* // Current Efficiency // Film/Rupture Voltage/Molecular Structure. Nov 69. . . . . **11-597**

SAFETY
Coating/Manufacturing // Bulk Handling // Filling/Labeling // Drum/ Storage *(Exterior)* // Inventory Control // Safety. Jan 69. . . . . **01-054**

Epoxy Resin/Material Handling/Safety/*(Dermatitis)* . Apr 69. . . . . **04-304**

SAMPLING
Aerosol Coating/Analysis/Aerosol Container/Sampling // Nonvolatile Content/*(Determination)* . My 69. . . . . **05-335**

SAND MILL *(MECHANISMS, MATHEMATICS, AND THEORY)*
Pigment/Grinding/Sand Mill *(Mechanisms, Mathematics, and Theory)* // Mill Base/*(Formulation)* // Grinding Media/*(Selection)* . My 69. . . . . **05-345**

SCATTERING COEFFICIENT
Pigment/Scattering Coefficient/Hiding Power/*(Determination from)* /Film/ Opacity // Spectrophotometer/*(versus)* /Reflectometer // *(Precision)* /Film Formation/*(on)* /Plastic Film *(Substrate)* // Testing. Nov 69. . . . . **11-584**

SCRUB RESISTANCE
Latex Coating/Extender Pigment/Aluminum Silicate/*(Calcined)* // *(Evaluation of)* /Hiding Power/Scrub Resistance/Oil Absorption/Water/ Absorption. Aug 69. . . . . **08-448**

SHRINKAGE
Coating/Film/Mechanical Property*(ies)* // Curing/Shrinkage // Internal Stress/*(Calculation)* // Film Defect*(s)* /Cracking/Crazing/Adhesion Failure. Nov 69. . . . . **11-635**

SOLUBILITY
Alkyd Resin/Polymerization/Hydroxyl Number/*(Control)* // Trimethyloethane/Azeotrope // Resin/Solubility/Compatibility/Film Property. Feb 69. . . . . **02-104**

Solvent/*(Selection)* /Air Pollution Control/*(Regulations)* // Solubility/Evaporation Rate/Odor/Toxicity. Apr 69. . . . . **04-249**

Resin/Solubility/*(Review of Theories)* // Molecular Interaction/ Plasticizer *(s)* // *(Effect of Temperature and Concentration)* . Sept 69. . . . . **09-483**

Resin/Solubility/*(Theory)* // Entropy/Heat of Mixing // Solubility Parameter /*(Calculation from Chi Parameters)* // Molecular Interaction. Sept 69. . . . . **09-489**

SOLUBILITY PARAMETER
Resin/Solubility/*(Theory)* // Entropy/Heat of Mixing // Solubility Parameter /*(Calculation from Chi Parameters)* // Molecular Interaction. Sept 69. . . . . **09-489**

SOLUTION
Molecular Interaction/Polarity/Hydrogen Bonding // Resin/Solution/ *(Theory)* . Sept 69. . . . . **09-494**

Molecular Interaction/Liquid*(s)* /Solution*(s)* /*(Thermodynamic Theory)* // Entropy/*(of)* /Mixing. Sept 69. . . . . **09-509**

SOLVENT
Solvent/*(Selection)* /Air Pollution Control/*(Rule 66, Regulation 3 Compliance)* /Vinyl Solution Coating // Solvent Retention/Testing/Chromatography. Feb 69. . . . . **02-081**

Radiation Curing/*(Survey of Equipment, Mechanisms and Dosage)* // *(Effect of)* /Oxygen/Solvent/Pigment // Monomer/Prepolymer/Reactivity // Film Property*(ies)* . Feb 69. . . . . **02-118**

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